



IFWO

RAW SEQUENCE LISTING

DATE: 08/27/2004

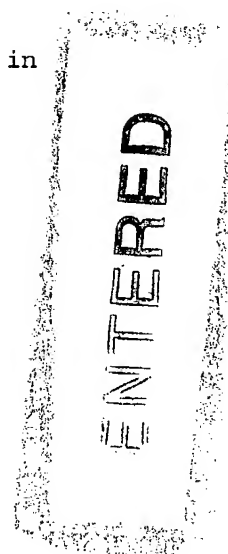
PATENT APPLICATION: US/10/726,093

TIME: 11:54:50

Input Set : N:\Crf3\RULE60\10726093.raw

Output Set: N:\CRF4\08272004\J726093.raw

1 <110> APPLICANT: Sattcioglu, Fahri
 2 <120> TITLE OF INVENTION: Differentially Expressed Genes in
 3 Prostate Cancer
 4 <130> FILE REFERENCE: 50218/002003
 5 <140> CURRENT APPLICATION NUMBER: US/10/726,093
 6 <141> CURRENT FILING DATE: 2003-12-01
 7 <150> PRIOR APPLICATION NUMBER: US/09/743,682
 8 <151> PRIOR FILING DATE: 2001-01-10
 9 <150> PRIOR APPLICATION NUMBER: PCT/IB00/00673
 10 <151> PRIOR FILING DATE: 2000-05-19
 11 <150> PRIOR APPLICATION NUMBER: US 60/135,325
 12 <151> PRIOR FILING DATE: 1999-05-20
 13 <150> PRIOR APPLICATION NUMBER: US 60/135,333
 14 <151> PRIOR FILING DATE: 1999-05-20
 15 <160> NUMBER OF SEQ ID NOS: 21
 16 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 618
 20 <212> TYPE: DNA
 21 <213> ORGANISM: Homo sapiens
 22 <400> SEQUENCE: 1
 23 atggaaaacg aattgttctg ctccggcgctc ctggtgcacg cgcagtgggt gctgtcagcc 60
 24 gcacactgtt tccagaactc ctacaccatc gggctggggc tgcacagtct tgaggccgac 120
 25 caagagccag ggagccagat ggtggaggcc agcctctccg tacggcacc agagtacaac 180
 26 agacccttgc tcgctaacga cctcatgctc atcaagttgg acgaatccgt gtccgagtct 240
 27 gacaccatcc ggagcatcag cattgcttcg cagtgcctta ccgcggggaa ctcttgctc 300
 28 gtttctggct ggggtctgct ggcgaacggc agaatgccta ccgtgctgca gtgcgtgaac 360
 29 gtgtcgggtg tgtctgagga ggtctgcagt aagctctatg acccgctgta ccacccagc 420
 30 atgttctgcg ccggcggagg gcaagaccag aaggactcct gcaacgggtga ctctgggggg 480
 31 cccctgatct gcaacgggta cttgcagggc cttgtgtctt tcggaaaagc cccgtgtggc 540
 32 caagttggcg tgccaggtgt ctacaccaac ctctgcaaat tcaactgagt gatagagaaa 600
 33 accgtccagg ccagttaa 618
 35 <210> SEQ ID NO: 2
 36 <211> LENGTH: 481
 37 <212> TYPE: DNA
 38 <213> ORGANISM: Homo sapiens
 39 <400> SEQUENCE: 2
 40 atggaaaacg aattgttctg ctccggcgctc ctggtgcacg cgcagtgggt gctgtcagcc 60
 41 gcacactgtt tccagaactc ctacaccatc gggctggggc tgcacagtct tgaggccgac 120
 42 caagagccag ggagccagat ggtggaggcc agcctctccg tacggcacc agagtacaac 180
 43 agacccttgc tcgctaacga cctcatgctc atcaagttgg acgaatccgt gtccgagtct 240
 44 gacaccatcc ggagcatcag cattgcttcg cagtgcctta ccgcggggaa ctcttgctc 300
 45 gtttctggct ggggtctgct ggcgaacggg tgactctggg gggccctga tctgcaacgg 360



RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/10/726,093

TIME: 11:54:50

Input Set : N:\Crif3\RULE60\10726093.raw

Output Set: N:\CRF4\08272004\J726093.raw

```

46      gtacttgcag ggccttgtgt ctttcggaaa agccccgtgt ggccaagttg gcgtgccagg 420
47      tgtctacacc aacctctgca aattcactga gtggatagag aaaaccgtcc aggccagtta 480
48      a 481
50 <210> SEQ ID NO: 3
51 <211> LENGTH: 702
52 <212> TYPE: DNA
53 <213> ORGANISM: Homo sapiens
54 <400> SEQUENCE: 3
55      atggaaaacg aattgttctg ctcgggcgctc ctggtgcatc cgcagtgggt gctgtcagcc 60
56      gcacactggt tccagaactc ctacaccatc gggctgggcc tgcacagtct tgaggccgac 120
57      caagagccag ggagccagat ggtggaggcc agcctctccg tacggcacc cagagtacaac 180
58      agacccttgc tcgctaacga cctcatgctc atcaagttgg acgaatccgt gtccgagtct 240
59      gacaccatcc ggagcatcag cattgcttcg cagtgccta cgcgggggaa ctcttgccctc 300
60      gtttctggct ggggtctgct ggccaacggt gagctcacgg gtgtgtgtct gccctcttca 360
61      aggaggtcct ctgcccagtc gcgggggctg acccagagct ctgctgcca ggcagaatgc 420
62      ctaccgtgct gcagtgcgtg aacgtgtcgg tgggtgtctga ggaggtctgc agtaagctct 480
63      atgaccgcgt gtaccacccc agcatgttct gcgcggcgcg agggcaagac cagaaggact 540
64      cctgcaacgg tgactctggg ggggccctga tctgcaacgg gtacttgcag ggccttgtgt 600
65      ctttcggaaa agccccgtgt tggccaagtt ggctgcccag gtgtctacac caacctctgc 660
66      aaattcactg agtggataga gaaaaccgtc caggccagtt aa 702
68 <210> SEQ ID NO: 4
69 <211> LENGTH: 834
70 <212> TYPE: DNA
71 <213> ORGANISM: Homo sapiens
72 <400> SEQUENCE: 4
73      ggaatgagcc tggatccggg gagcccagag ggaagggctg ggaggcgga atcttgcttc 60
74      ggaaggactc agagagtcct gacttgaaat ctacagcccag tgctgagtct ctagtgaact 120
75      aagctcctac accatcgggc tgggcctgca cagtcttgag gccgaccaag agccagggag 180
76      ccagatggtg gaggccagcc tctccgtacg gcaccagag tacaacagac ccttgctcgc 240
77      taacgacctc atgctcatca agttggacga atccgtgtcc gactctgaca ccacccggag 300
78      catcagcatt gcttcgcagt gccctaccgc ggggaactct tgctctgttt ctggctgggg 360
79      tctgctggcg aacggtgaac tcacgggtgt gtgtctgccc tcttcaagga ggtcctctgc 420
80      ccagtcgcgg gggctgacct agagctctgc gtcccaggca gaatgcctac cgtgctgcag 480
81      tgctggaacg tgcggtggt gtctgaggag gtctgcagta agctctatga cccgctgtac 540
82      caccacagca tgttctgcgc cggcgaggag caagaccaga aggactcctg caacggtgac 600
83      tctggggggc ccctgatctg caacgggtac ttgcagggcc ttgtgtcttt cggaaaagcc 660
84      ccgtgtggcc aagttggcgt gccaggtgtc tacaccaacc tctgcaaatt cactgagtgg 720
85      atagagaaaa ccgtccaggc cagttaactc tggggactgg gaacccatga aattgacccc 780
86      caaatacatc ctgcggaagg aattcaggaa tatctgatcc cagccccctc tccc 834
88 <210> SEQ ID NO: 5
89 <211> LENGTH: 440
90 <212> TYPE: DNA
91 <213> ORGANISM: Homo sapiens
92 <400> SEQUENCE: 5
93      ggaatgagcc tggatccggg gagcccagag ggaagggctg ggaggcgga atcttgcttc 60
94      ggaaggactc agagagccct gacttgaaat ctacagcccag tgctgagtct ctagtgaact 120
95      aagctcctac accatcgggc tgggcctgca cagtcttgag gccgaccaag agccagggag 180
96      ccagatggtg gaggccagcc tctccgtacg gcaccagag tacaacagac ccttgctcgc 240
97      taacgacctc atgctcatca agttggacga atccgtgtcc gactctgaca ccacccggag 300

```

RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/10/726,093

TIME: 11:54:50

Input Set : N:\Crif3\RULE60\10726093.raw

Output Set: N:\CRF4\08272004\J726093.raw

```

98      catcagcatt gcttcgcagt gccctaccgc ggggaactct tgccctggtt ctggctgggg 360
99      tctgctggcg aacggcagaa tgcctaccgt gctgcagtgc gtgaacgtgt cggtggtgtc 420
100     tgaggaggtc tgcagtaagc                                     440
102 <210> SEQ ID NO: 6
103 <211> LENGTH: 457
104 <212> TYPE: DNA
105 <213> ORGANISM: Homo sapiens
106 <400> SEQUENCE: 6
107     ggctctggga ggaggacgga atgagcctgg atccggggag cccagagggga agggctggga 60
108     ggcgggaatc ttgcttcgga aggactcaga gagccctgac ttgaaatctc agcccagtgc 120
109     tgagtctcta gtgaactaag ctcctacacc atcgggctgg gcctgcacag tcttgaggcc 180
110     gaccaagagc cagggagcca gatggtggag gccagcctct ccgtacggca cccagagtac 240
111     aacagaccct tgctcgctaa cgacctcatg ctcatcaagt tggacgaatc cgtgtccgag 300
112     tctgacacca tccggagcat cagcattgct tcgcagtgcc ctaccgctgg gaactcttgc 360
113     ctggtttctg gctggggtct gctggcgaac ggcagaatgc ctaccgtgct gcagtgcgtg 420
114     aacgtgtcgg tgggtgtctga ggaggtctgc agtaagc                                     457
116 <210> SEQ ID NO: 7
117 <211> LENGTH: 636
118 <212> TYPE: DNA
119 <213> ORGANISM: Homo sapiens
120 <400> SEQUENCE: 7
121     accaccccag catgttctgc gccggcggag agcaagacca gaaggactcc tgcaacgtga 60
122     gagaggggaa aggggagggc aggcgactca ggaaggggtg gagaaggggg agacagagac 120
123     acacagggcc gcatggcgag atgcagagat ggagagacac acagggagac agtgacaact 180
124     agagagagaa actgagagaa acagggaaat aaacacagga ataaagagaa gcaaaggaag 240
125     agagaaacag aaacagacat gggggaggca gaaacacaca cacatagaaa tgcagctgac 300
126     cttccaacag catggggcct gagggcgggtg acctccaccc aacagaaaat cctcttataa 360
127     cttttgactc cccaaaaaac ctgactagaa atagcctact gttgacgggg gagccttacc 420
128     aataacataa atagtcgatt tatgcatacg ttttatgcat tcatgatata cttttgttgg 480
129     aattttttga tatttctaag ctacacagtt cgtctgtgaa tttttttaaa ttgttgcaac 540
130     tctcctaaaa ttttttctaa tgtgtttatt gaaaaaaatc caagtataag tggacttgtg 600
131     cagttcaaac cagggttggt caagggtcaa ctgtgt                                     636
133 <210> SEQ ID NO: 8
134 <211> LENGTH: 205
135 <212> TYPE: PRT
136 <213> ORGANISM: Homo sapiens
137 <400> SEQUENCE: 8
138     Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp
139     1          5          10          15
140     Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu
141     20          25          30
142     Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val
143     35          40          45
144     Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Leu
145     50          55          60
146     Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser
147     65          70          75          80
148     Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly
149     85          90          95

```

RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/10/726,093

TIME: 11:54:50

Input Set : N:\Crif3\RULE60\10726093.raw

Output Set: N:\CRF4\08272004\J726093.raw

```

150      Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg Met
151              100                      105                      110
152      Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu Glu Val
153              115                      120                      125
154      Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys Ala
155              130                      135                      140
156      Gly Gly Gly Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly Gly
157      145                      150                      155                      160
158      Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly Lys
159              165                      170                      175
160      Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn Leu Cys
161              180                      185                      190
162      Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser
163              195                      200                      205
165 <210> SEQ ID NO: 9
166 <211> LENGTH: 110
167 <212> TYPE: PRT
168 <213> ORGANISM: Homo sapiens
169 <400> SEQUENCE: 9
170      Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp
171      1              5              10              15
172      Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu
173              20              25              30
174      Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val
175              35              40              45
176      Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Leu
177      50              55              60
178      Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser
179      65              70              75              80
180      Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly
181              85              90              95
182      Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly
183              100              105              110
185 <210> SEQ ID NO: 10
186 <211> LENGTH: 146
187 <212> TYPE: PRT
188 <213> ORGANISM: Homo sapiens
189 <400> SEQUENCE: 10
190      Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp
191      1              5              10              15
192      Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu
193              20              25              30
194      Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val
195              35              40              45
196      Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Leu
197      50              55              60
198      Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser
199      65              70              75              80
200      Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/726,093

DATE: 08/27/2004

TIME: 11:54:50

Input Set : N:\Crif3\RULE60\10726093.raw

Output Set: N:\CRF4\08272004\J726093.raw

```

201          85          90          95
202      Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Glu Leu
203          100          105          110
204      Thr Gly Val Cys Leu Pro Ser Ser Arg Arg Ser Ser Ala Gln Ser Arg
205          115          120          125
206      Gly Leu Thr Gln Ser Ser Ala Ser Gln Ala Glu Cys Leu Pro Cys Cys
207          130          135          140
208      Ser Ala
209          145
211 <210> SEQ ID NO: 11
212 <211> LENGTH: 100
213 <212> TYPE: PRT
214 <213> ORGANISM: Homo sapiens
215 <400> SEQUENCE: 11
216      Met Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro
217          1          5          10          15
218      Leu Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser
219          20          25          30
220      Glu Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr
221          35          40          45
222      Ala Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly
223          50          55          60
224      Glu Leu Thr Gly Val Cys Leu Pro Ser Ser Arg Arg Ser Ser Ala Gln
225          65          70          75          80
226      Ser Arg Gly Leu Thr Gln Ser Ser Ala Ser Gln Ala Glu Cys Leu Pro
227          85          90          95
228      Cys Cys Ser Ala
229          100
231 <210> SEQ ID NO: 12
232 <211> LENGTH: 85
233 <212> TYPE: PRT
234 <213> ORGANISM: Homo sapiens
235 <400> SEQUENCE: 12
236      Met Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro
237          1          5          10          15
238      Leu Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser
239          20          25          30
240      Glu Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr
241          35          40          45
242      Ala Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly
243          50          55          60
244      Arg Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu
245          65          70          75          80
246      Glu Val Cys Ser Lys
247          85
249 <210> SEQ ID NO: 13
250 <211> LENGTH: 85
251 <212> TYPE: PRT
252 <213> ORGANISM: Homo sapiens

```

VERIFICATION SUMMARY

DATE: 08/27/2004

PATENT APPLICATION: US/10/726,093

TIME: 11:54:51

Input Set : N:\Crf3\RULE60\10726093.raw

Output Set: N:\CRF4\08272004\J726093.raw